

ANT/TIN/C1

0050

ANTINGEY  
ANTARCTIC  
SUMMER  
1970.

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Obol - Obol

Specs

### East side of Forbes Glacier

Very wet banded gneiss  
with upper part of gneiss  
texture in places. Main mineral  
garnet Qtz. kfs pyroxene. Minor

Darker colored bands Garnet  
pyroxene Minor. Lighter bands  
Qtz. kfs <sup>same</sup> Qtz <sup>into</sup> 2 feldspar  
some feldspar. Also 1.1 sp Qz

Plagioclase feldspar and quartz  
interbedded with the banded  
gneiss. Some mylonite

bands cross-cutting the banded gneiss.

Obol Dr. 100 ft. S. westward

Tdsp Qtz? mica Rock with some  
feldspar and quartz.

1002 Saccharoidal Tdsp Qtz

Texture Some mal. is probably  
Garnet.

Strike fault

some 2.0 sp Qtz

some 2.0 sp Qtz

Specs

## South Masson Range [Mt Burnett]

0606. 0607. Specs

Gen South East Arm

General Rock type a saccharoidal  
light brown coloured <sup>sericitic</sup> ~~Charnockite~~  
with inclusions of darker basic  
~~has~~ <sup>-quartz</sup> pyroxene rich rock and aplitic  
dykes. Also some pegmatites - coarse  
felsitic or some garnets - both  
conformable and cross cutting  
the general banding of the rock.

The main rock is granitic but  
has some compositional banding  
most noticeable in quartz & pyroxenes.  
A cross cutting aplitic dyke was seen  
but could not be collected.

0606 No specimen collector locality

Rif only to the main  
Charnockite rock type.

0607 Spec of obs. - none

Rock type is Pyroxene rich Mafic

Granulite of medium grade

Grey brown colour. No banding. 3

WOODBERRY NTR.

0608 - 610

The general rock is a  
Pyroxene Garnet Hornfels.  
Gneiss showing approximately  
N-S and dipping  $60^\circ$  (Approx)  
to the UNW. The general rock  
type is a brown-black colour  
and includes bands of a  
lighter brown Gneiss-Fels-Qtz  
rock which indicate the direction  
of dip. Also approximately  
concordant are Qtz-fels pegmatite  
poor probably bands though this  
is obscure from the actual outcrop  
which are badly lost structures.

0608 Qtz Mica Garnet? Pyroxene  
Gneiss. Colour brown  
Garnet. Small  
horn Mica. Hornfels

## MOUNT WOJNARSKI

Mt Wonnarski - 2<sup>nd</sup> Feb 1970

At Southern end

pt 0611

Gneiss Pyroxene Feldspar



Gls Migmatite outcrops interbedded and  
intermingling with Feldsp<sup>mic</sup>-Pyroxene Gneiss.  
Bedding about 3ft wide dip N 70  
Strike. Some veins and pockets  
of Feldsp. Gls minerals make up  
out a migmatite. Some  
bands of lvs are up to 6" thick  
though generally to more than 1/2".  
Although generally concordant they  
cross cut and unambiguously replace

0612 Near West of mountain the  
rock is largely pinkish and is  
granite with isolated pods of  
migmatite showing  
except for a few small spots of  
as indicated

0613-6 Dark colored Mica - Pyroxene  
Migmatite Gneiss strike NE at the  
NE end of the promontory with  
interbedding roughly conformable  
with the gneiss foliation lenses  
of Qtz Felsic Granitic rock containing  
a very few Garnets and having  
a saccharoidal texture pinkish color.

This continues up the slope  
but the strike swings from NE  
to E to S to NW at pt 1614  
where 3 granite boulders stand  
out prominently weaving their  
way down the northern slope.

A photograph was taken  
of a point near pt 1614.  
At pt 1614. A white Qtz Mica

Qtz Felsic rock was found

It is a fine grained rock

100 - black gneiss rock appears  
in the intermediate stage.

There appears to be going on in these rocks.

Tran 0617 looking across  
to 0612 two pinkish bands sloping  
to the S.E. can be seen. They are  
presumably the trace of the granitic  
bands noted at 0612.

Spets 0613-0617 colored sandstone

0618 NNE of Mount peak

Granite - ? Charnockite - Gneiss  
at least. foliated Granite lenses  
and veins generally striking  
in mass form. One occurs in  
charcoal brown weathering foliated  
gneiss. They show a variety of  
strike throughout in which are  
probably ... The bedding  
of the ...  
granite ... and then  
later ...  
tran 110 gneiss. The gneiss



Shaw, leaves of, to bands and  
pods of granitic material there  
than and the quartzite  
be considered in relation

Both the foliated quartzite  
and the gneiss are marked  
by pegmatite veins mainly  
Garnet, Biot, Qtz, and  
Qtz only. The veins are both  
conformable and discordant,  
and in the first case occur  
parallel near the base of a  
pegmatite vein. Suggests normal  
aligning of the veins. The pegmatite  
also contains much that crystallized  
up to 2 cm across.

Near the top of the  
the quartzite is  
10 ft thick. The  
thickens to 20 ft  
and then  
They have  
20 ft thick

low Sil. layer can be seen more  
clearly. Now a little bit  
structural line collected in this.

Specimens 0617-0622

At Camp Site

Spec 0623, 0624, 0625

On main ridge of Mt. Monariski to  
the NW of Camp site (i.e. Summit)

0626. White Qtz ~~Felspar~~? Epitaxial  
Grt-Cpx-Jct Felsp Qtz rock near prominent  
dyke of ~~Qtz Felsp~~ Grt-Cpx Felsp Qtz  
rock. 0626 <sup>3816</sup> possibly represents a  
contact rock type ~~more~~ or a  
variety of the dyke. Actual  
outcrop not seen rock collected  
from patterned ground.

0627

Pyroxene

Pinkish colored Garnet Felsp Qtz rock collected from near 0626 and again not from solid outcrop. Proves ~~strongly~~ typical rock type as 0626 represents possible variation in the host rock for the intrusive dykes.

0628

DK Green Pyroxene felsp ~~Gneiss~~ gneiss is here main rock mass into which the white dykes intrude here.

0629. Spec of ~~contact between~~

Pyroxene Garnet Felsp Gneiss showing development as nucleus of Garnet Felspar rock with large (2 or more) blebs of garnet aggregation

0630 Similar to 0629 but Garnet much less common.

0631 Contact between Qtz Felspar  
? intrusive type into gneiss  
Pyroxene Qtz Felsp granulite. Qtz  
Felsp rock shows same variation  
but contains generally, quite  
clean.

0632 Black brown Gneiss  
Pyroxene ? Scapolite Mica  
Gneiss which is main host rock  
at this point. Felsp Qtz pods  
and bands developed in main rock.  
~~Rock is~~ and they are  
both concordant & cross  
cutting. Lineation developed  
on well in foliation.

0633 <sup>White</sup> Qtz <sup>Caliche</sup> Felspar <sup>rock</sup> with Dk green  
? Diopside crystals. occurs  
as pot like inclusion in the

? intrusive Q12 Felsp Gneiss  
as illustrated



Q12 Felsp Gneiss rock

Pyroxene green schist

0623 Telsp. Qtz Pyroxene Banded  
gneiss (migmatite) shows  
development of Qtz-Telsp. 'Granitic'  
Veinlets and pods which are  
conformable with the ~~schist~~ gneissosity  
and foliation generally. There  
is also a very pronounced  
lineation in the foliation planes  
and the Granitic development  
is puckered and folded a  
little distorting the gneissic  
foliation with them

Mica

0624 Garnet Pyroxene Quartz  
Helspar rock which occurs  
as continuation and development  
of the recent developments in  
the migmatites. On the main  
ridge of Wanaishi this rock  
occurs as large lenses  
up to 50 yds long and 6 ft  
thick in places

0625 Granular Pyroxene  
Felsp 'Gneiss' that is not  
at all well foliated in the  
specimen but grades laterally  
into better foliated more massive  
rock.

0613 Grey, Mg-magnetite, Mn-c.  
Pyroxene felsp Qtz Gneiss  
acts as host rock of large  
conformable (with the gneiss  
foliation) Granite pods. There are  
minor granitic developments with  
the gneiss and these are sometimes  
~~to form~~ and/or develop to  
give the granitic pods and veins  
which are in this case about 3ft  
wide and 20yds long. Lineation  
along the foliation planes.

0614.

A similar rock that appears  
to contain mica as only mafic  
mineral. Foliation and grainosity  
much more pronounced but in  
general not much  
the same as 0613



0615 Specimen from the granitic  
development in the quartz area.  
The locality of 0613. The rock  
are mainly Qtz-felsp with very  
minor amounts of Mica and Pyroxene  
present.

T/S required.

0616 Specimen of Qtz from  
pegmatite dyke that cross cut  
both the quartzite and the contact  
granite. There is  
a suggestion of movement along  
these pegmatite lines as seen  
from the disturbance of foliation etc.  
Also see see later notes on the  
contact.

0617

Specimen Shows Qtz Felsp  
Pegmatite dyke cutting through  
a Garnet Pyroxene (Diabase)  
Mica Felsp Qtz rock. Crystal  
development of green pyroxene and  
garnets quite good and pegmatite  
vein about 1 inch wide.

0618. Specimens of brown black  
Magnetite Garnet Pyrox Mica  
Qtz Felsp gneiss with white-gray  
Granitic veins conformable to  
the gneiss foliation and banding.  
The host rock for the granitic  
pods.  
T/S. Compare to 0613.

0619. A coarser grained bi-  
foliated but still gneissic rock  
~~similar to~~ <sup>to</sup> 0613. Mineralogically,  
the rock is Garnet Pyrox Qtz  
Felsp Gneiss which shows  
a development of Qtz Felsp  
pods and kinkles. Thus justify  
its classification as a magnetite.  
T/S. Less mica apparent  
than in 0618 but  
otherwise mineralogically similar

0620 Spec. Gneissic granite  
? Granitic gneiss with a Mica  
Pyroxene (? Hbl) Felsp - Qtz fine  
grained rock. Grain size -  
It mafics about 1mm but  
Qtz and Felspars up to 5mm  
Foliation defined by micas but  
only very faint lineation on  
the felspar surfaces.

0621 Specimen of Qtz Felsp  
rock with rare Garnets and  
mafic minerals. Some clear  
granitic pods.

0622 Rock type similar to 0620  
mineralogically but foliation with  
micas not well developed. However  
there are <sup>two</sup> well developed cleavage  
sets. Rock Pyroxene Qtz Felsp  
? Granite ? Charnockite.  
T/S.

0616 spec 2 Shows part of  
contact of pegmatite & Qtz  
rock with mica Garnet Qtz feldsp  
Gneiss in the slt. (coarse develop  
ment) and with the granitic  
like meta rock of spec 0622 a  
the other side which is essentially  
Garnet Qtz feldsp ~~Granite~~ Granite  
(see spec 0622)

MOUNT MARSDEN.

20/2/70

11 Marsden (N. end)

Migmatitic Gneiss is  
sub-conformable Regmatite  
show good block and  
composition banding in  
the most indication perhaps  
of previous bedding (see)

Beds run about 50m dip  
to the west (see above)  
and the Gneiss is mainly  
granitic with some  
quartz. Here is a lot of  
of rock/original gneiss.

Specs 0634-0640.

WEST END, FORBES GLACIER

West end of Forbes Glacier  
0603-5

Specimen of ~~granite~~ <sup>granular</sup> O12  
Telsp rock with very few mafics  
which occurs as thick bands  
both concordant & discordant  
in this locality and giving a  
bimodal nature to the whole terrain  
(see photos) A pegmatite band  
with diffuse bands & a central zone  
wide cuts across the specimen  
but does not appear to be a  
later date than the ~~pegmatite~~  
granite band.

Spec 0608 is of a well banded  
bimodal granular rock with  
dark colored Pyrox-Qtz bands  
mixed with light colored Qtz  
Telsp granitic bands which are  
both conformable & concordant  
& with which many garnets  
are associated. Light colored

Bands up to 3 cm wide  
but more usually about  
1 cm in this specimen

Spec 0604 represents the country  
rock into which the migmatite bands  
are being intruded and is a  
grey granular Pyroxene Qtz Felsp  
rock of medium - fine grain.  
In the actual specimen there  
is some Qtz felsp Plagioclase material  
astering

Woodberry Nunatak spec 0609 10.

0609 Grey colored Granular Pyroxene  
Qtz Felspar rock with good  
jointing but no apparent foliation  
0610 Dk grey-black <sup>fine</sup> Pyrox. Qtz Felsp  
rock coarse grained & slightly foliated

Rocks for thin section

Mt. Wauhatchee

0613

0615

0618

0620

Church Mt

0622

0620

0623

06

0630

Mt Marston

0636

0637

Mt Hinkley 0645

0646

0650

0654





I.R.L.

33/ 0473.4 0475.6 477.8  
479.80 482.37 484  
485.6 489 ?501 508.9.10  
511.2.3.4. 515.6.7.

(A little room

28/ J. BAIN. 0086.7/ 91.93  
94. 98 99 100. 102  
103. 104. 107. 108. 113. 117. 118  
0009.16 0013.15  
(Room for 1/5)

(27) 0064. 65. 81 82 83 84. 85  
86. 89 92 106 101  
114. 115. 11 116.

(29) 0011.19.20 0018.26  
Mt. Leckie 0011.17  
Room for 1/5 0012.25

30/ 0044. / 45/46/47/48/49/  
0050/51/52/53/54/56/59/  
60/61/62/63.  
54.

31. 0090 / 112 / 023 / 0010.22.23  
BAIN SPAN (0020) / BEWSHER WORKING  
Room.

32 428.9 430.2.41 425.6.7  
435.7.9 436 440 434.403  
424 . 520.21 ? 519 FISHER  
Room

34    279.80.81    282.3    285.6    288.9.90  
       292.3        294.5.6        301.3  
       304.6.7        309-11        312.3.4  
       315.6.7        243.5.9        240.41  
       Full.

35        237.    239.42    267.68    274.5.6  
       269.70    271.73    277.78,

Row.



7/11/51

1. 10. 11

S. 10. 11

B. 10. 11

H. 10. 11

1

Man. 10. 11

-0.15

not as much as 3/4

... ..

included in ...

...





